



Goat anti-AARS2 (aa478-489) Antibody

Item Number	dAP-2663
Target Molecule	Principle Name: AARS2 (aa478-489); Official Symbol: AARS2; All Names and Symbols: AARS2; alanyl-tRNA synthetase 2, mitochondrial (putative); AARSL; COXPD8; KIAA1270; MT-ALARS; MTALARS; bA444E17.1; OTTHUMP00000016528; alaRS; alanine tRNA ligase 2, mitochondrial (putative); alanine--tRNA ligase; alanyl-tRNA synthetase like; alanyl-tRNA s; Accession Number (s): NP_065796.1; Human Gene ID(s): 57505; Non-Human GeneID(s):
Immunogen	QHRARQAEPVQK, is from internal region
Applications	Pep ELISA, WB Trf Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: In transfected 143B transiently expressing Human AARS2 a band of approx. 100kDa is observed. This band is barely visible in the non-transfected 143B. The calculated molecular size is 107kDa according to NP_065796.1. Recommended concentrati
IHC	
Reference	Reference(s): Bonnefond L, Fender A, Rudinger-Thirion J, Giegé R, Florentz C, Sissler M. Toward the full set of human mitochondrial aminoacyl-tRNA synthetases: characterization of AspRS and TyrRS. Biochemistry. 2005 Mar 29;44(12):4805-16..PMID: 15779907->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**